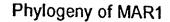
FIG. 1



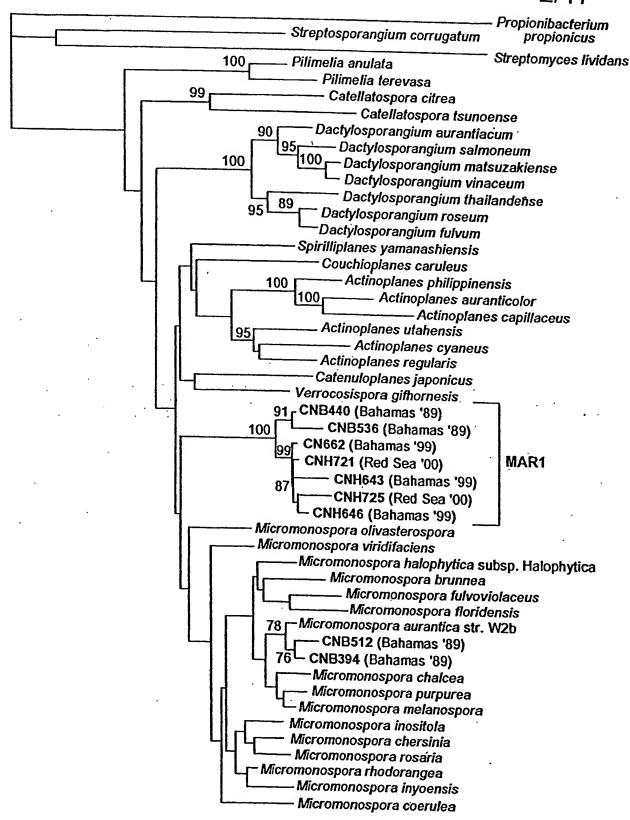


FIG. 2

Etoposide (2)

FIG. 3

4/17 Cytotoxic activity of salinosporamide A (1) and dose response curve

Comp8 (units/ml)

| | · | , | | | , (==================================== | , | | |
|-------------|-------|----------|-------|------------|---|------------|---------------|-------|
| Sample | Wells | Sample # | OD | Mean Value | Ctr. Avg OD | % Survival | Concentration | 1C50 |
| Co03 | C8 | 1 | 0.013 | 0.013 | 1.305 | 0.958 | 78.125 | 0.011 |
| Co04 | D8. | 2 | 0.044 | 0.044 | 1.305 | 3.335 | 19.531 | 0.011 |
| Co05 | E8 | 3 | 0.059 | 0.059 | | 4.484 | 4.883 | 0.011 |
| Go06 | F8 | 4 | 0.105 | | | 8.011 | 1.221 | 0.011 |
| Co07 | G8 | 5 | 0.170 | | | | | |
| Co08 | H8 | 6 | 0.304 | | | | | 0.011 |
| | | 1 | | 0.007 | 1.505 | 23.200 | 0.076 | 0.011 |

Standards (mg/ml)

| Sample | Carrie | | | • | | | | | |
|--------|---------------|----------------|---------|-------|---------|------------|------|--------------|-------|
| | Concentration | Back Calc Conc | Wells | OD | Mean OD | % Survival | CV % | Ctr. Avg OD | IC50 |
| Sta03 | 31.250 | Range? | C12 | 0.413 | 0.413 | 31.621 | | | |
| Sta04 | 7.042 | | | | 0:110 | 31.021 | 0.0 | 1.305 | 0.828 |
| | 7.813 | | D12 | 0.542 | 0.542 | 41.510 | 0.0 | 1.305 | 0.828 |
| Sta05 | 1.953 | Range? | E12 | 0.557 | 0.557 | 42.660 | | | |
| Sta06 | 0.488 | | | | | 42.000 | 0.0 | 1.305 | 0.828 |
| | | 1 2921 | F12 | 0.760 | 0.760 | 58.222 | 0.0 | 1.305 | 0.828 |
| Sta07 | 0.122 | Range? | G12 | 1.287 | 4 207 | | | | |
| Sta08 | | 1 301 | | | 1.287 | 98.620 | 0.0 | 1.305 | 0.828 |
| 31008 | 0.031 | Range? | H12 | 1.615 | 1.615 | 123.764 | 0.0 | | 0.828 |
| Cmalla | | | <u></u> | | | | 0.0 | 1.505 | 0.020 |

Smallest standard value: 0.413 Largest standard value: 1.615

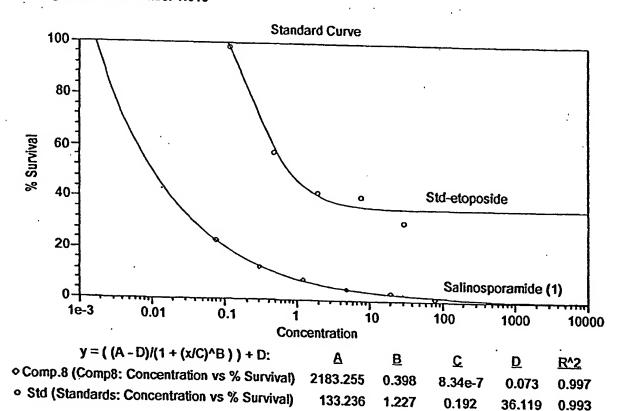


FIG. 4

Isolation of salinosporamide A (1), separation scheme

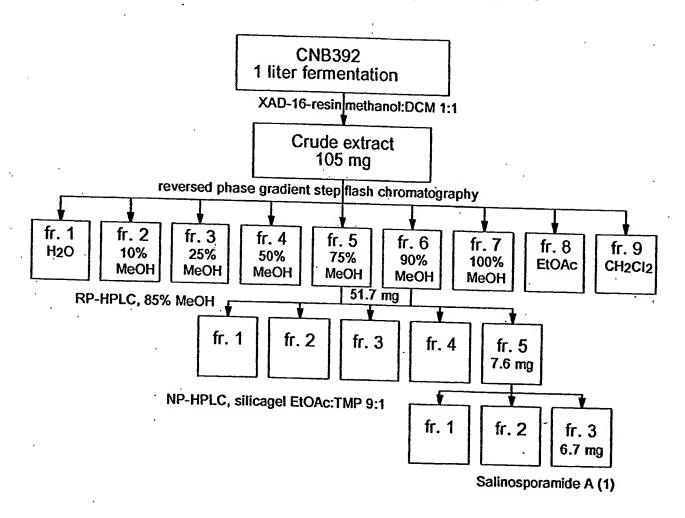
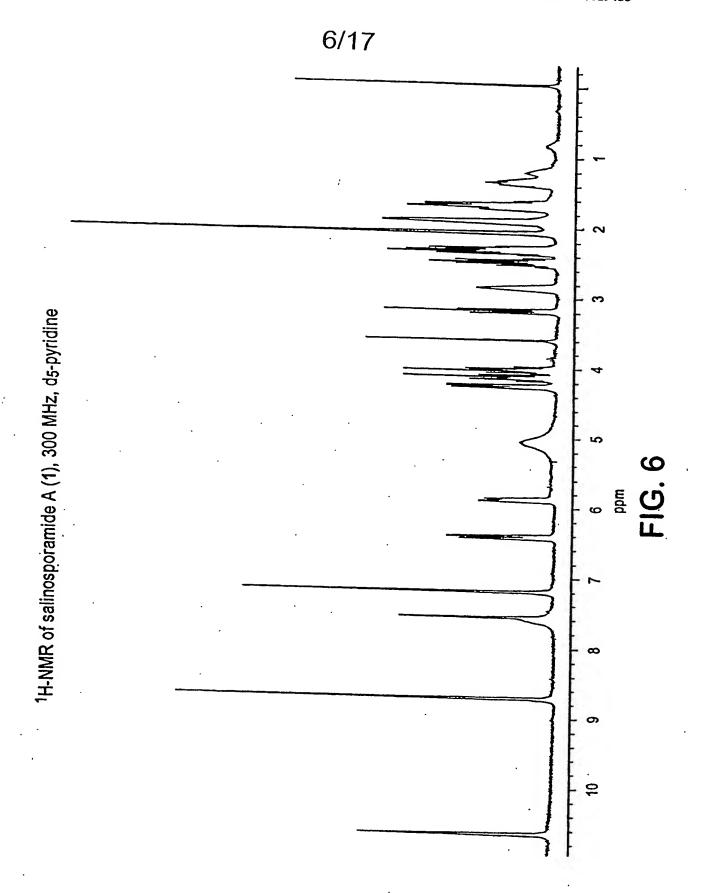
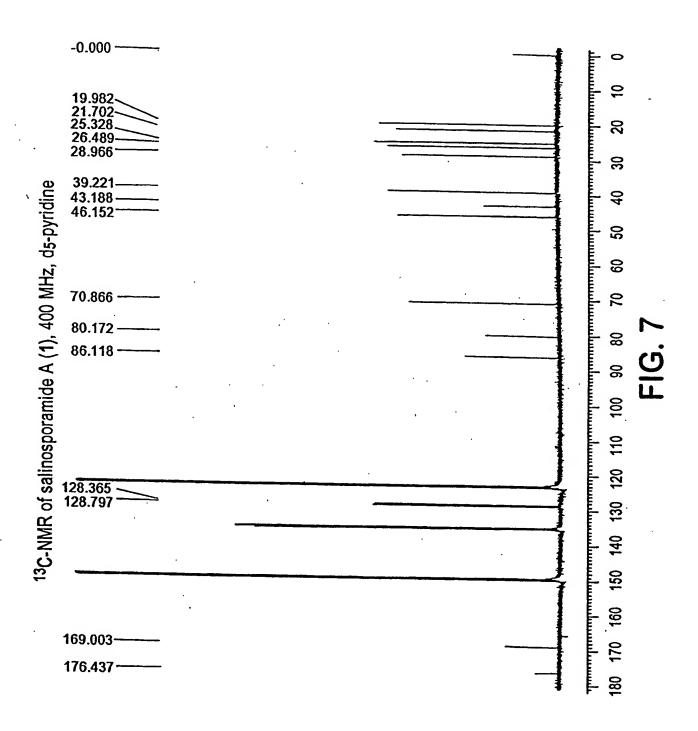
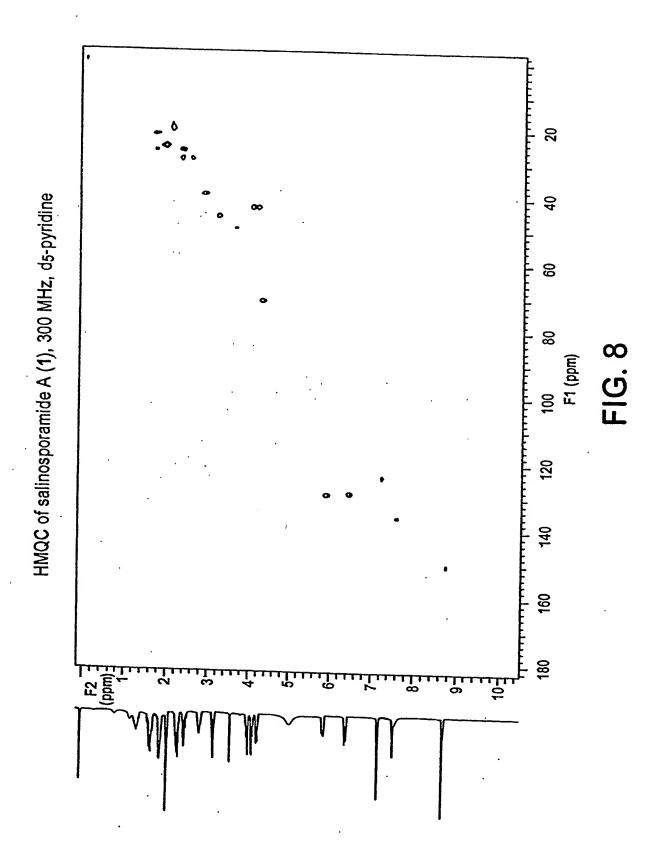


FIG. 5

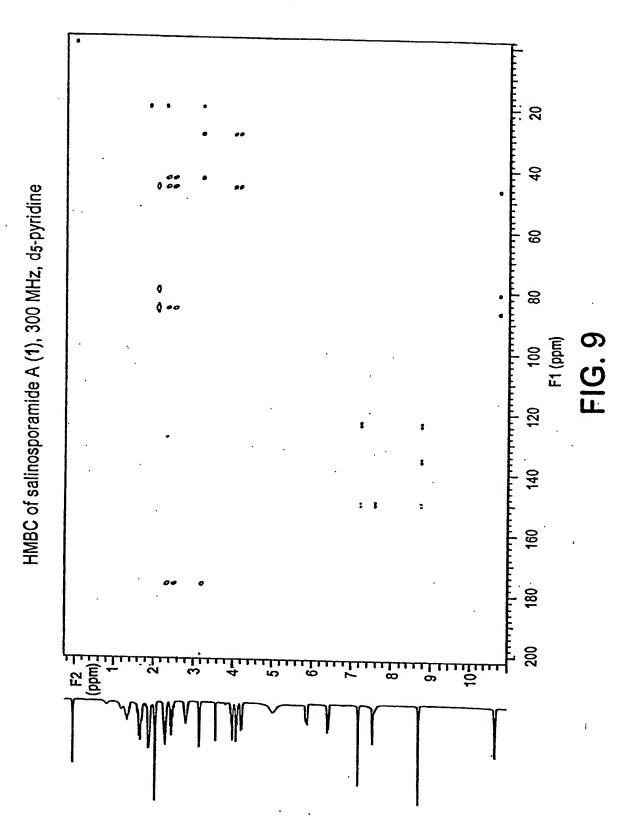


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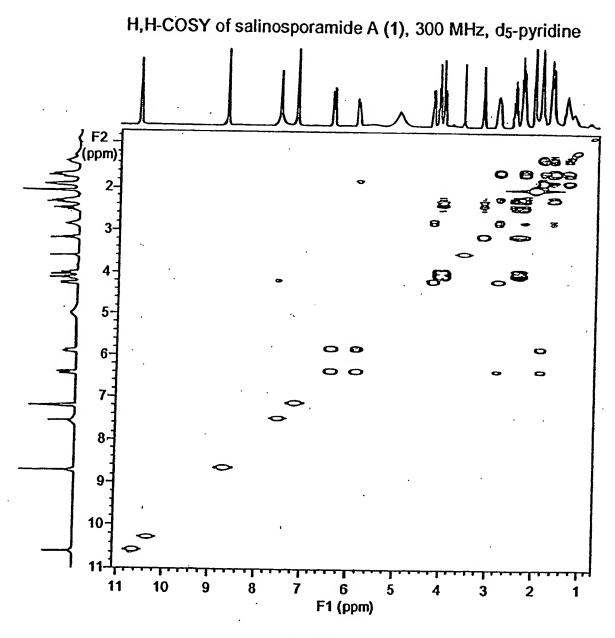


FIG. 10

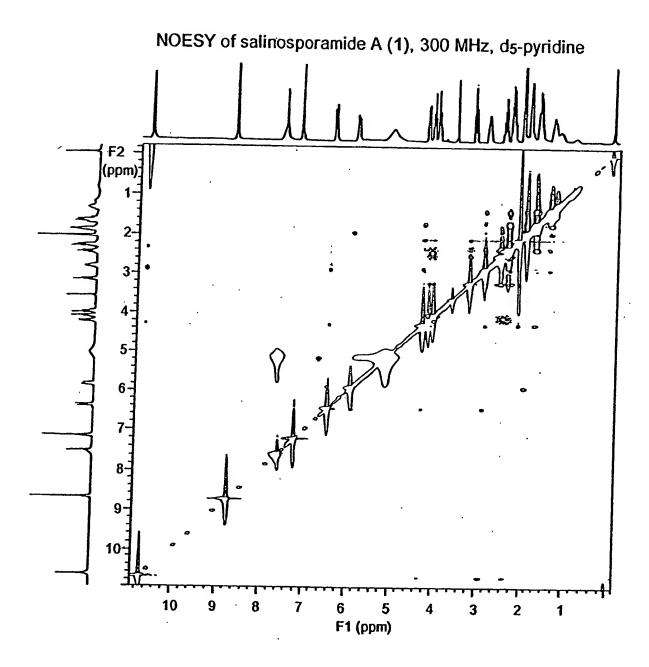


FIG. 11

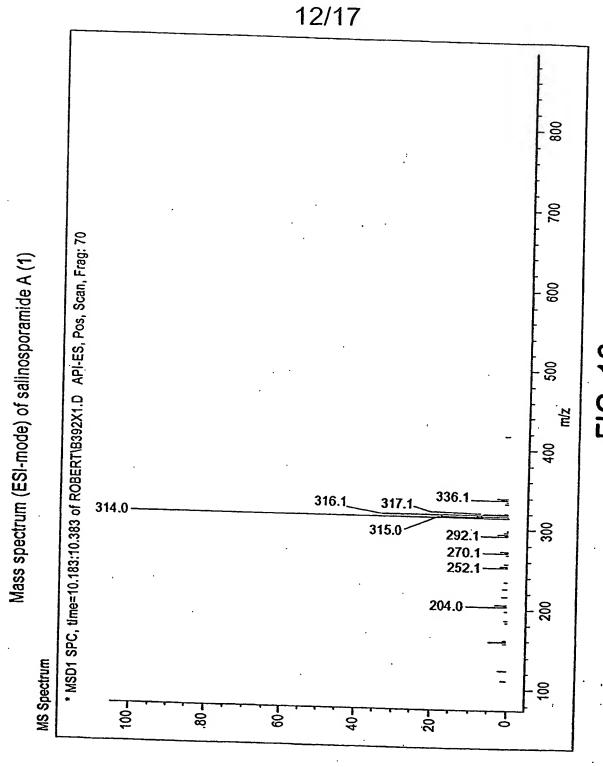
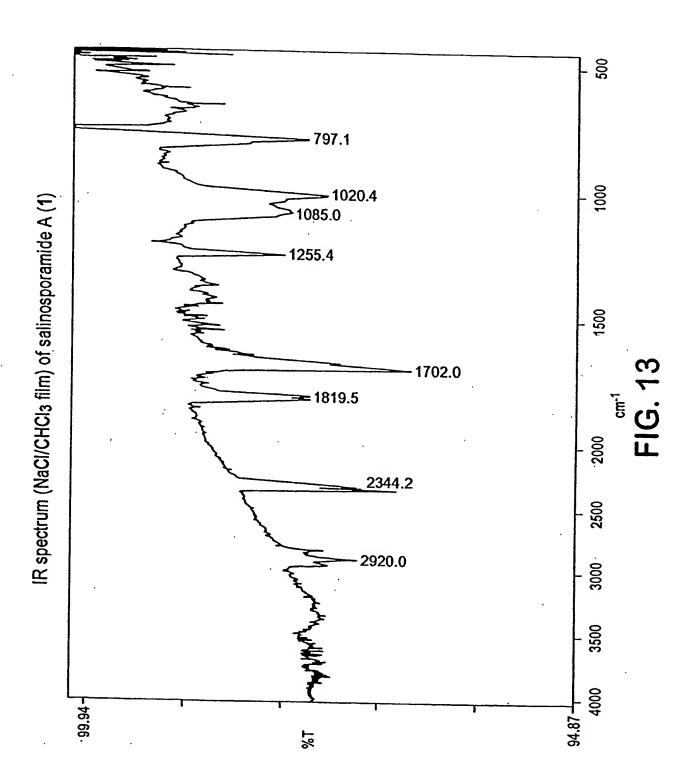


FIG. 12





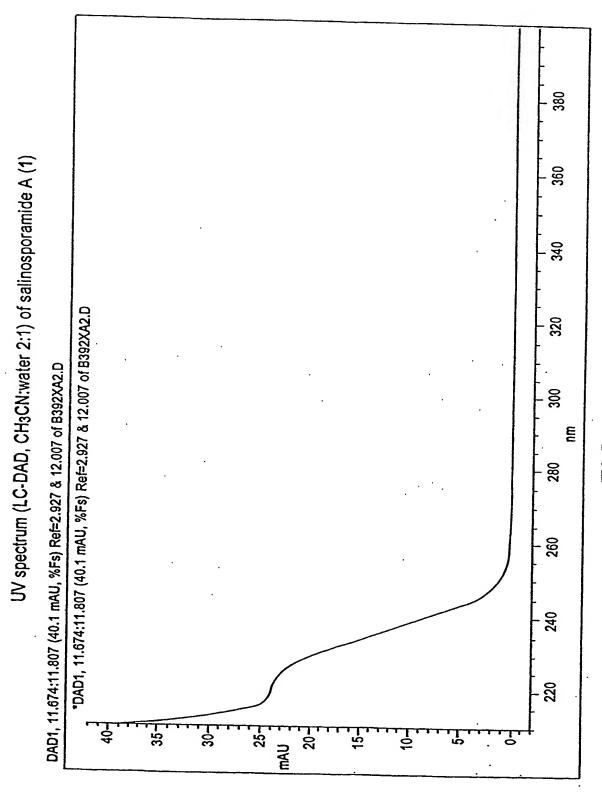


FIG. 14

FIG. 15

| ſ | \top | \top | | \neg | | ı – | 7 | | _ | _ | _ | |
|------------------------|--------|--------|-------------|--------|-----|-------|-----|-------|----------|---------------|------|------|
| Marinospora | Ø | : = | ٥ | | ر | = | = | > < | ٤٠ | > | = | ٥ |
| Verrucosi- spora | | ار | > | < < | τ. | A | V | داد |) | > | ပ | 0 |
| Spirili- planes | n | C | ٥ | | c | ¥ | ٥ | : ارد | 0 | <u>۔</u> د | ပ | ٥ |
| Couchio- planes | n | U | A | V | ۲ | ∢ | A | | | ر | ပ | A |
| Catenulo- planes | 0 | U | A | Δ | 5 | (G/A) | A | | | (0/0) | ပ | A |
| Pillimelia | U | ח | A | A | | ဟ | V | A | : = | > | ပ | A |
| Catellato- spora |) | ပ | (AU) | A | | ⋖ | A | 9 | SII. | (20) | ပ | A |
| Dactylo- sporangium | n | ပ | A | A | | (G/A) | A | ტ | ٢ | > | (S) | A |
| Micromon- ospora | ח | ပ | A | (A/G) | | A | A | ပ | (3/5) | 755 | ပ | A |
| Actinoplanes | D | ပ | ∢ | A | | ₹ | Þ | ၁ | C | | ၁ | A |
| Position 16S rDNA | 207 | 219 | 279 | 366 | 121 | 404 | 468 | 546 | 615 | 9777 | 1110 | 1456 |

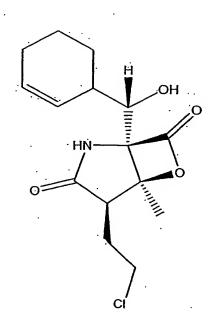


FIG. 16

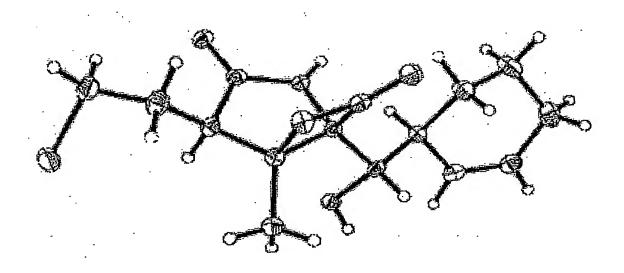


FIG. 17

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